

Recombinant Human CASP9

Cat. No. CASP9-618H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CARM1 is produced in <i>E. coli</i> .
Species	Human
Source	E.coli
Description	Caspase-9 is an initiator caspase encoded by the CASP9 gene. CASP9 orthologs have been identified in all mammals for which complete genome data are available. Unique orthologs are also present in lizards, lissamphibians, and teleosts. The aspartic acid specific protease caspase-9 has been linked to the mitochondrial death pathway. It is activated during programmed cell death (apoptosis). Induction of stress signalling pathways JNK/SAPK causes release of cytochrome c from mitochondria and activation of apaf-1 (apoptosome), which in turn cleaves the pro-enzyme of caspase-9 into the active form. Once initiated caspase-9 goes on to cleave procaspase-3 & procaspase-7 and which cleave several cellular targets, including poly ADP ribose polymerase.
Storage	-80°C.

GENE INFORMATION

Gene Name	CASP9 caspase 9, apoptosis-related cysteine peptidase [Homo sapiens]
Synonyms	CASP9; caspase 9, apoptosis-related cysteine peptidase; RP11-265F14.3, APAF-3, APAF3, CASPASE-9c, ICE-LAP6; CASP-9; ICE-like apoptotic protease 6; apoptotic

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	protease MCH-6; apoptotic protease activating factor 3; apoptotic protease-activating factor 3; caspase 9, apoptosis-related cysteine protease; caspase-9; EC 3.4.22.62
Gene ID	842
mRNA Refseq	NM_001229
Protein Refseq	NP_001220
MIM	602234
UniProt ID	P55211
Chromosome Location	1p36.3-p36.1
Pathway	Alzheimer"s disease; Amyotrophic lateral sclerosis (ALS); Apoptosis; Colorectal cancer; Huntington"s disease; Pancreatic cancer; Pathways in cancer; Prostate cancer; Small cell lung cancer; VEGF signaling pathway; Viral myocarditis; p53 signaling pathway; Signalling by NGF
Function	cysteine-type endopeptidase activity; enzyme activator activity; peptidase activity; protein binding
PDB rendering based on 1jxq.	